III. Indigenous state-of-the-art subsystem in Space Technology

1. Compact Electronic Self-Scanning Imaging Sensor System.
2. Image Analysis system and application softwares - (ISRO-VISION, SIPS)
3. Hand held Ground Truth Radiometers.
4. Passive Microwave Radiometers
5. Multi-Polarisation, Multi-frequency, Multi-look angle Scatterometers.
6. Synthetic Aperture Radar for Aircraft.
7. Two band Very High Resolution Radiometer (VHRR) for Meteorological Applications to be flown on INSAT-2.
8. Infrared Horizon Sensors, Mementum/Reaction Wheels, Dry Tune Gyro, Star Sensors, Large Solar Arrays.
9. Propulsion System for Spacecraft orbit/attitude control.
10. Ground stations for Telemetry, Telecommunication and Data reception.
11. Satellite control and Data processing softwares.
12. Geographical Information System (GIS) development (ISROGIS, GEOSPACE).
13. Large Spacecraft Simulation Chamber, Anechoic Chamber, Acoustic Test Facility.
14. Optics for space Imaging System.
15. SAW devices, Hybrid Microcircuits, MICs.
16. Optical Reflecting Projector (ORP)
17. Large Format Optical Enlarge.
18. Multi Purpose satellite configuration that combines meteorological and communications payloads.
19. World's third largest booster motor.
20. Large upper stage motor with flex nozzle control and kevlar case.
21. High performance upper stage using liquid engines

Capacity of Coal Washeries

2415. SHRI BASU DEB ACHARIA: Will the Minister of COAL be pleased to state:

(a) the total capacities of Coal Washeries of Coal India Limited,

(b) whether the Government propose to modernise all the Coal Washeries of Coal India Ltd., if so, the details thereof;

(c) whether the Government also propose to have two new washeries, and

(d) if so, the details thereof?

THE DEPUTY MINISTRY IN THE MINISTRY OF COAL (SHRI S B NYAMAGOUDA): (a) The total operating capacity of Coal Washeries in Coal India Ltd. is 25.62 million tonnes of annual raw coal feed

(b) Modernisation of the old existing Washeries of CIL has been taken up in pursuance to recommendation made by an 'Expert Committee' set up by the Government to ensure supply of 17 + 0.5% ash washed coal to the Steel Plants. the work of modernisation is in progress.

(c) and (d). Two new washeries are under construction and these would be completed during the Eighth Plan period. These Washeries are Madhuband Washery of Bharat Coking Coal Ltd. (2.5 mill. tonnes of annual raw coal feed) and Kedla Washery of Central Coalfield Ltd. (2.6. mill. tonnes of annual raw coal feed).

Central Public Sector Undertakings Functioning without Chief Executives

2416. SHRI HANNAN MOLLAH: Will the PRIME MINISTER be pleased to state:

(a) the details of the Central Public Sector Undertakings functioning without Chairman/Chairman-cum-Managing Director;

(b) since when these have been functioning without Chief Executives;

(c) the reasons for delay in these appointments; and

(d) the time by which the posts are likely to be filled up?

THE MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES AND PENSIONS (SHRIMATI MARGARET ALVA): (a) and (b). As per the available information, 34 posts of Chief Executives (Chairman-cum-Managing Director/Managing Director) in the Central Public Sector Undertakings are vacant as on 28.2.92. The details of these posts are given in the statement.

(c) and (d). These vacancies had arisen due to various factors like superannuation of the incumbent, termination of service, expiry of tenure, resignation and lateral transfer from one enterprise to another etc. As per the procedure the Public Enterpnses Selection Board (PESB) is to consider selection for the Board-level positions and make its recommendations. These are then processed by the Government and final appointments are made only after the formalities like verification of character and antecedents of appointees, their past performance and vigilance clearance are completed. Delay also occurs where the appointees take time to join or finally do not join. In some cases, as specific talent is to be spotted, time is taken to fill up such vacant posts. Selection for the Board-level position is a continuing process and efforts are made to fill up these vacancies as early as possible.

STATEMENT

Sl.No	*Name of the Post/PSU*	*Date of Vacancy*
1	*2*	*3*
1.	CMD, Fertilizer & Chemicals Travancore Ltd.	22.3.90
2.	CMD, Hindustan Copper Ltd.	7.9.91
3.	CMD, Heavy Engineering Corpn.	15.2.92
4.	CMD, Gas Authority of India Ltd.	2.11.91
5.	CMD, Bharat Yantra Nigam Ltd.	3.2.92
6.	CMD, Indian airlines.	26.12.91